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Title *Determination of Radome Panel Performance based on Electromagnetic Material Characterisation Data for DWR Radome*

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Abstract

Electromagnetic power transmission and reflection performances, based on material characterisation done at CUSAT, Cochin, are predicted for the A-sandwich radome panels fabricated at NAL. Similar studies are also conducted for ideally fabricated panels which adheres to the specifications of NAL Radome Design Team. These analyses show that there is no appreciable difference in the radome panel performance, either due to fabrication uncertainties, or between the fabrication processes and materials, to the levels observed in this study.